



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Sheet 1 of 3

ATTORNEY DOCKET NO.

GP-303074 (R-35)

SERIAL NO.

10/662,853

APPLICANT

Nelson A. Kelly et al.

FILING DATE

September 15, 2003

GROUP

To Be Assigned

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	RV	4,466,869	08/21/1984	Ayers		
2.		4,511,638	04/16/1985	Sapru et al.		
3.		4,544,473	10/01/1985	Ovshinsky et al.		
4.		4,545,883	10/08/1985	Ovshinsky et al.		
5.	RV	4,656,103	04/07/1987	Reichman et al.		
6.		4,698,234	10/06/1987	Ovshinsky et al.		
7.		4,737,379	04/12/1988	Hudgens et al.		
8.		4,891,330	01/02/1990	Guha et al.		
9.	RV	4,859,532	08/22/1989	Oyama et al.		
10.		4,954,182	09/04/1990	Ovshinsky et al.		
11.		5,103,284	04/07/1992	Ovshinsky et al.		
12.		5,180,690	01/19/1993	Czubatyj et al.		
13.	RV	5,231,047	07/27/1993	Ovshinsky et al.		
14.		5,670,224	09/23/1997	Izu et al.		
15.		6,063,258	05/16/2000	Sayama et al.		
16.		6,087,580	07/11/2000	Ovshinsky et al.		
17.	RV	6,300,558	10/09/2001	Takamoto et al.		
18.		6,305,442	10/23/2001	Ovshinsky et al.		
19.		6,368,668	04/09/2002	Kobayashi et al.		
20.		6,380,601	04/30/2002	Ermer et al.		
21.	RV	6,432,284	08/13/2002	Narayanan et al.		

Examiner:

*Ronald R Valentine*

Date Considered:

*12/02/04*

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	DR	6,471,834	10/29/2002	Roe et al.		
23.	DR	6,521,381	02/18/2003	Vyas et al.		

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	DR	Deng and Schiff, 2002, "Amorphous Silicon Based Solar Cells," chapter separately published on Xunming Deng's website: <a href="http://www.physics.utoledo.edu/~dengx/papers/deng03a.pdf">http://www.physics.utoledo.edu/~dengx/papers/deng03a.pdf</a> . Also published in 2003 by Deng and Schiff. Chapter 12, pages 505-565 in <i>Handbook of Photovoltaic Engineering</i> , ed. A. Luque & S. Hegedus, by John Wiley & Sons, Ltd., (N. M.)
2.	DR	Deng et al., 1998, "Study of Sputter Deposition of ITO Films for a-Si:H n-i-p Solar Cells," in Proceedings of 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, 700-703 (N. D.)
3.	DR	Arcosta et al., 1996, "About the Structural, Optical and Electrical Properties of SnO <sub>2</sub> Films Produced by Spray Pyrolysis from Solutions with Low and High Contents of Fluorine," Thin Solid Films, 288, 1-7 (N. M.)
4.	DR	Proceedings of the 2002 U.S. DOE Hydrogen Program Review NREL/CP-610-32405 entitled, "Photoelectrochemical Systems for Hydrogen Production", authored by Varner et al., 2002. (N. M.)
5.	DR	"Proceedings of the 2000 Hydrogen Program Review" NREL/CP-570-28890 entitled, "Photoelectrochemical Hydrogen Production", authored by Miller and Rocheleau, 2000 (N. M.)
6.	DR	"High-efficiency Amorphous Silicon Thin Film Solar Cells" by Dr. Xunming Deng, 2 pages, Toledo website: dengx@physics.utoledo.edu. (N. D.)

Examiner:

Donald R. Valentine

Date Considered:

12/04/04

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Ref. Desig.	Examiner's Initials	
7.	<i>DN</i>	"Deng, Liao, Han, Povolny and Agarwal, (2000) "Amorphous Silicon and Silicon Germanium Materials for High-efficiency Triple-junction Solar Cells", pages 89-95, website: <a href="http://www.celsevier.com/locate/solmat">www.celsevier.com/locate/solmat</a> . (N. M.)
8.	<i>DN</i>	"Pilkington TEC Glass" (1999), 2 pages, product brochure. (N. M.)

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